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January 31, 2022

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd Executive Director **Public Service Commission of South Carolina** 101 Executive Center Drive Columbia, South Carolina 29210

RE: Dominion Energy South Carolina, Inc.
Annual Update on Demand Side Management Programs and Petition to Update Rider *This filing includes a request for a rate increase.*

Docket No. 2022-___-E

Dear Ms. Boyd:

On behalf of Dominion Energy South Carolina, Inc. ("DESC"), please find enclosed for filing one (1) copy of DESC's Annual Update on Demand Side Management Programs and Petition to Update Rider ("Petition"). As part of its Petition, DESC is requesting that the DSM Rider be effective for bills rendered on and after the first billing cycle of May 2022. Also enclosed for filing is a Proposed Notice of Filing.

By copy of this letter, we are providing the South Carolina Office of Regulatory Staff and the Department of Consumer Affairs with a copy of the enclosed documents.

If you have any questions, please advise.

Very truly yours,

Matthew W. Gissendanner

MWG/kms Enclosures

cc: Dawn Hipp

Andrew M. Bateman, Esquire Carri Grube-Lybarker, Esquire

Roger P. Hall, Esquire

(all via electronic mail and U.S. First-Class Mail w/enclosure)

BEFORE

THE PUBLIC SERVICE COMMISSION

OF

SOUTH CAROLINA

DOCKET NO. 2022-___--E

IN RE:

Dominion Energy South Carolina, Inc. Annual Update on Demand Side Management Programs and Petition to Update Rider. *This filing includes a request for a rate increase.* ANNUAL UPDATE ON DSM
PROGRAMS AND PETITION TO
UPDATE RIDER

Introduction

Pursuant to S.C. Code Ann. § 58-37-20 (2015) and S.C. Code Ann. Regs. 103-819 and 103-825 (2012), and in compliance with Public Service Commission of South Carolina ("Commission") Order No. 2010-472, issued in Docket No. 2009-261-E, as affirmed and modified by Order No. 2013-826 issued in Docket No. 2013-208-E and Order No. 2019-880 issued in Docket No. 2019-239-E, Dominion Energy South Carolina, Inc. ("DESC" or "Company") hereby (i) submits to the Commission for review information concerning the current status of DESC's demand reduction and energy efficiency ("Demand Side Management" or "DSM") programs; and (ii) petitions the Commission for authorization to update its "Rider to Retail Rates – Demand Side Management Component" ("DSM Rider") to provide for the recovery of DESC's costs and net lost revenues associated with its DSM programs along with the Commission-

approved shared savings incentive for investing in such programs, effective for bills rendered on and after the first billing cycle of May 2022.

In support of this petition, DESC would respectfully show to the Commission the following key facts and would request and petition the Commission for the following relief:

- 1. This matter comes before the Commission pursuant to S.C. Code Ann. § 58-37-20 and by Order No. 2010-472, as affirmed and modified by Order No. 2013-826 and Order No. 2019-880. In Order No. 2010-472, as affirmed and modified by Order No. 2013-826 and Order No. 2019-880, the Commission approved DESC's suite of DSM programs and authorized the Company to continue its DSM Rider. In accordance with § 58-37-20 and as described more fully below, the DSM Rider is designed to allow DESC to recover the costs and net lost revenues associated with its DSM programs along with a shared savings incentive.
- 2. In Order No. 2019-880, the Commission also ordered DESC to continue its practice established under Order No. 2010-472 and continued under Order No. 2013-826 of submitting an annual filing with the Commission updating the Company's DSM Rider each January through the life of the DSM programs.
- 3. In accordance with Order No. 2010-472, as affirmed and modified by Order No. 2013-826 and Order No. 2019-880, the annual filing must set forth the programs, net lost revenues, program costs, shared savings incentive, net program benefits, and other items as appropriate. Moreover, the annual filing must encompass the twelve-month period beginning December 1 and ending November 30.

4. For this annual filing, the prior review period is December 1, 2019, to November 30, 2020 ("Program Year 10"); the current review period is December 1, 2020, to November 30, 2021 ("Program Year 11"); and the forecasted period is December 1, 2021, to November 30, 2022 ("Program Year 12").

Update on DSM Programs

- 5. In Order No. 2019-880, the Commission approved a suite of ten modified, expanded, and new DSM programs for development and implementation. At the end of Program Year 11, DESC was offering its customers ten (10) DSM Programs.
- 6. Exhibit 1 sets out the most significant aspects of program development and implementation approach for each of the approved programs, including next steps and modifications to the programs, as well as other pertinent information that occurred in Program Year 11 or will occur in Program Year 12.

Impact of COVID-19 Pandemic on DSM Programs

- 7. The ongoing 2019 Novel Coronavirus ("COVID-19") pandemic continued to impact the Company's DSM Programs. Throughout the year, DESC informed both the Commission and the DESC Energy Efficiency Advisory Group ("Advisory Group") of the program impacts.
- 8. **Residential Home Energy Check-Up:** By letter dated March 12, 2020, in Docket No. 2019-239-E, DESC informed the Commission that it had temporarily suspended the Home Energy Check-Up program effective, Monday, March 16, 2020, due to the COVID-19 pandemic.

By letter dated June 23, 2020, in Docket No. 2019-239-E and Docket No. 2020-106-A, the Company informed the Commission that it had begun to offer its customers access to a free Virtual Home Energy Check-Up in place of its in-home energy efficiency consultation. This new, virtual service is performed by DESC's staff of energy experts to help customers identify opportunities to save energy. A variety of options are available to conduct the Virtual Home Energy Check-up including Facetime, Teams, and telephone (accompanied by email with photo attachments). DESC helps customers select the best way to optimize the experience. During the approximately hour-long consultation, a professionally trained member of the DESC energy team reviews a variety of measures to include windows and doors, caulking, weather-stripping, insulation levels, appliances, water heaters and heating and cooling systems.

The Virtual Home Energy Check-up consultation includes a custom report with recommendations to improve the home's energy usage, an overview of past energy usage, details on how weather affects energy consumption specifics on using thermostats efficiently, details on how the HVAC system works, information about other energy-saving programs offered by DESC, and a free Energy Efficient LED Bulb Kit delivered to customers.

By letter dated April 1, 2021, the Company informed the Commission that, as of April 1, 2021, the Company had resumed in-home energy efficiency consultations subject to appropriate COVID-19 safety precautions and that customers could elect either an in-home consultation or a virtual check-up.

By letter dated September 20, 2021, the Company informed the Commission that, as a result of the surge in COVID-19 cases associated with the Delta variant in South Carolina, it had temporarily suspended in-home energy consultations, but would continue offering its customers access to a free Virtual Home Energy Check-Up. By letter dated November 29, 2021, the Company informed the Commission that it was restarting in-home services for its Residential Home Energy Check-Up Tier 1 program effective December 1, 2021. As of the date of this filing, the Company continues to offer its customers the option to elect either an in-home consultation or a virtual check-up.

9. Residential Home Energy Check-up Tier 2: As discussed in DESC's April 3, 2020 letter referenced above, the Company informed the Commission that implementation of its Residential Home Energy Check-Up Tier 2, then scheduled for the June-July timeframe, might be delayed. Implementation of this new program, which provides residential customers with an incentive covering 75% of the costs for the installation of certain energy efficiency measurements, was in fact delayed. However, DESC began to implement it on a limited basis beginning in early October using COVID-19 precautions. In December 2020, DESC made the decision to suspend the Home Energy Check-Up Tier 2 due to the rising cases of COVID-19 in the state. By letter dated April 1, 2021, the Company informed the Commission that, as of April 1, 2021, the Company would fully implement Tier 2 subject to appropriate COVID-19 safety precautions.

10. By letter dated April 3, 2020, DESC informed the Commission that implementation of its Multifamily program, then scheduled for the June-July timeframe, might be delayed. Implementation of this new program, which provides for both in-unit (residential) and common area (nonresidential) energy efficiency upgrades at multifamily properties, was in fact delayed. However, DESC began limited implementation in late September 2020. Specifically, DESC implemented the nonresidential component of the program offering with an incentive equal to 75% of the cost for the upgrade of primarily lighting and heating and cooling equipment in common areas. In-unit installations were briefly initiated in December 2020 and then suspended due to COVID-19. By letter dated April 1, 2021, the Company informed the Commission that, as of March 8, 2021, the Company had begun to fully implement the Multifamily program (common areas and residential units) subject to appropriate COVID-19 safety precautions. By letter dated September 20, 2021, the Company informed the Commission that, as a result of the surge in COVID-19 cases associated with the Delta variant in South Carolina, it had temporarily suspended the residential component of the Multifamily program but would continue offering the nonresidential component of the program. dated November 29, 2021, the Company informed the Commission that it was restarting in-home services for the residential component of its Multifamily program effective December 1, 2021.

11. Residential Neighborhood Energy Efficiency Program ("NEEP"): By the March 12, 2020 letter referenced above, DESC also informed the

Commission that it would temporarily suspend the NEEP as a result of the ongoing COVID-19 pandemic. By letter dated October 5, 2020, DESC informed the Commission that would begin distributing energy efficiency kits using COVID-19 precautions to low-income customers who qualify for NEEP but were unable to receive the in-home services. The energy efficiency kits contain five LED bulbs, a standard kitchen faucet aerator and information on DESC's portfolio of residential DSM programs. The in-home installations were briefly initiated in December 2020 and then suspended due to COVID-19; however, the kit distribution continued. By letter dated April 1, 2021, the Company informed the Commission that, as of March 22, 2021, the Company had resumed in-home services related to NEEP subject to appropriate COVID-19 safety precautions. By letter dated September 20, 2021, the Company informed the Commission that, as a result of the surge in COVID-19 cases associated with the Delta variant in South Carolina, it had temporarily suspended in-home services, but would continue to distribute the EE kits to qualifying lowincome customers. By letter dated November 29, 2021, the Company informed the Commission that it was restarting in-home services for its NEEP effective December 1, 2021.

12. Commercial and Industrial ("C&I") Programs: Although the commercial and industrial programs were not suspended during Program Year 11, EnergyWise for Your Business and Small Business Energy Solutions experienced delays in project implementation related to supply chain delays and labor shortages among field personnel as a result of the ongoing impacts of the pandemic.

13. As a result of the suspensions and other delays associated with the COVID-19 pandemic set forth in Paragraphs 8 through 12 above, these programs experienced reduced participation during Program Year 11.

Actions Taken in Response to Commission Order No. 2021-295

- 14. By Order No. 2021-295 in Docket No. 2021-34-E, the Commission ordered the Company to (1) revisit the methodology used in establishing energy savings projections to ensure better alignment of actual energy savings with projections in the Company's future filings and (2) incorporate any necessary changes to improve the cost effectiveness of the Home Energy Check-Up Program.
- 15. In compliance with Order No. 2021-295, DESC plans to update the methods and backup data used to develop all future energy savings projections as part of the DSM Potential Study currently underway and expected to be completed in 2023. To ensure actual energy savings better align with future projections, the following activities will be completed. First, DESC working with Opinion Dynamics Corporation ("ODC"), DESC's third-party program evaluator, will complete the market assessment to provide updated DSM Potential Study model inputs that are well-grounded in DESC's customer base while also characterizing DESC's entire market in terms of energy efficiency opportunities and barriers. This data will lead to more reliable estimates of penetration and saturation of energy-using equipment and building shell measures; identify market barriers and participation trends; and quantify the energy efficiency opportunities for key customer segments, end-uses or measures. Second, DESC working with its DSM Potential Study consultant, ICF

International ("ICF"), will establish a historical baseline from the most recent evaluation results as the reference starting point to which to compare future results that includes changes in customer behavior and the market changes that have occurred since the 2019 DSM Potential Study as well as the impacts of COVID. Third, DESC and ICF will ensure that any new measure and/or program and related forecasts are supported by evaluated data or heavily supported by program experience in a similar service territory. In summary, the combination of these activities should result in more consistency between the actuals and forecasted savings values.

16. With respect to the Home Energy Check-Up program, prior to the pandemic, the DESC DSM staff shared with the Advisory Group that the Home Energy Check-Up program was experiencing a decline in cost effectiveness and energy savings for two primary reasons: federal lighting standards and changes in customer behavior. Due to the Energy Security and Independence Act (EISA), federal standards have continued to shift lighting baselines from incandescent to halogen, significantly reducing savings year-over-year the lighting measures across all of DESC's residential programs. Based on evaluation results, it determined that customer behaviors had changed, and the was efficiency recommendations were less likely to be completed or measures installed when left behind. To address these issues, DESC took actions to increase the direct installation of higher energy savings measures (water heater blankets, kitchen faucet aerators and water heater pipe wrap). Additionally, DESC staff began increasing the

number of installed LED bulbs from 5 bulbs to an unlimited number of incandescent bulb replacements. The program was operating at full capacity (in-home visits with installations) for approximately five months of Program Year 11 and completed 2,060 in-home and virtual visits or 56% of the forecasted participation. However, due to ongoing COVID restrictions, the program fell short of meeting the forecast due to the limited availability of in-home services and is not expected be cost effective in Program Year 11 for that primary reason. To improve Program Year 12 results, DESC began providing new direct install measures (LED outdoor lighting, smart power strips, shower timers) to be included with the existing measures offered. At this time, DESC is uncertain of the impacts COVID will have on Program Year 12 participation. Currently, the program is fully operational.

2020 DSM High Case Rapid Assessment

17. By Order No. 2020-832 in Docket No. 2019-226-E, the Commission determined that DESC shall "conduct a 'rapid assessment' of the cost-effectiveness and achievability of ramping up its current portfolio to achieve at least a 1% level of savings in the years 2022, 2023, and 2024," and include the results of the rapid assessment in its Modified 2020 Integrated Resource Plan ("IRP"). Using input from its Advisory Group and working with consultant ICF, DESC completed the DSM High Case Rapid Assessment in less than 3 months (as compared to the 18 months for the comprehensive 2019 DSM Potential Study) and filed the assessment with the Modified 2020 IRP in February 2021. In a letter dated May 24, 2021, responding to comments of ORS and Joint Intervenors to the Modified 2020 IRP, DESC informed

the Commission that "unless informed otherwise, DESC will assume that the Commission wishes for it to aggressively pursue a 1% savings goal as set forth in the Rapid Assessment, while working to improve cost effectiveness in spite of these uncertainties and potential of increased costs to customers." As such, the Program Year 12 (2022) forecast in Exhibit 1 includes the Rapid Assessment program modifications that meet the criteria for cost-effectiveness and achievability.

Most notably, Rapid Assessment program modifications expand the Home Energy Reports program to include 70% of eligible residential electric customers in the new opt-out program model and the NEEP participation doubles to more than 8,000 homes in Program Year 12. Other smaller program changes, like making the cool roofs measure prescriptive under EnergyWise for Your Business, will also be incorporated in the DSM portfolio.

Update on Energy Efficiency Advisory Group

18. By Order No. 2010-472, in Docket No. 2009-261-E, the Commission approved a General Settlement Agreement which provided for the establishment of the Advisory Group, the role of which is to consider and make recommendations to DESC with respect to efficiency potential studies, new program ideas, modifications to existing programs, outreach and education programs and funding, and Evaluation, Measurement and Valuation ("EM&V") plans. The Advisory Group was required to meet three times during the first year and "no less than twice per year thereafter." By Order No. 2013-826 in Docket No. 2013-208-E, the Commission directed DESC to maintain and continue the Advisory Group as it had been established and

implemented and to continue to meet no less than twice per year; and by Order No. 2019-880 in Docket No. 2019-239-E, the Commission found that the Advisory Group performs the functions required of it.

- 19. Members of the Advisory Group consist of representatives from the following organizations: the South Carolina Office of Regulatory Staff, the South Carolina Energy Office, the South Carolina Small Business Chamber of Commerce, the South Carolina Energy Users Committee, the South Carolina Office of Economic Opportunity, the South Carolina Association of Community Action Partnerships, the South Carolina Coastal Conservation League, the Southern Alliance for Clean Energy, and the Energy Futures Group.
- 20. DESC met with its Advisory Group five (5) times during Program Year 11 January 19, 2021; April 27, 2021; August 17, 2021; October 26, 2021; and November 17, 2021. In between meetings, DESC provided program updates regarding the impacts of the pandemic as well as notice of its EM&V filing.
- 21. During the January 19, 2021 meeting, DESC's consultant, ICF, reviewed the preliminary findings of the DSM High Case Rapid Assessment required by Commission Order No. 2020-832 in Docket No. 2019-226-E. DESC captured input from the Advisory Group members and allowed members an additional week to provide input. ICF used the Advisory Group input to complete the Rapid Assessment for inclusion in DESC's Modified 2020 IRP, which was filed in February 2021.
- 22. During the April 27, 2021 meeting, a representative from ICF explained how the inputs from the Advisory Group were used in the Rapid Assessment and

provided the rationale for either using or not using specific inputs. The ICF representative also presented on the Rapid Assessment Impacts on Cost-Effectiveness. DESC staff reviewed all the requirements for its upcoming DSM Potential Study, the input it had already received from Advisory Group members and a proposed timeline for completion of the study. The meeting content also included a discussion on the continuing impacts of COVID-19 on program implementation and the DSM priorities for Program Year 12.

- 23. During the August 17, 2021 meeting, DESC provided updates on the status of COVID-19 impacts, updates on the DSM Potential Study, progress on Program Year 12 priorities and projected year-end forecasts. A representative from ODC, DESC's third-party program evaluator, reviewed the scope of work for the market characterization portion of the DSM Potential Study and reviewed the results of Program Year 10 EM&V. Advisory Group members provided input on the market study prior to the meeting.
- 24. During the October 26, 2021 meeting, DESC provided the Advisory Group with a preview of the Company's initial filing of Gas DSM programs. DESC and its consultant, Resource Innovations, reviewed the proposed suite of two (3) residential programs and one (1) commercial program to be filed with the Commission in November 2021.
- 25. On November 17, 2021, DESC provided the Advisory Group with updates on the continuing impact of COVID-19 on program implementation; updates on the DSM Potential Study activity; a review of Program Year 10 cost effectiveness;

a Program Year 11 year-end forecast and program updates; and a brief update on the Gas DSM filing. DESC also provided opportunity for members to provide input on the Company's plan to use a third-party facilitator for future Advisory Group meetings, using an engagement format similar to the Company's IRP Stakeholder Group. The goal is to increase engagement among all of the Advisory Group members and to better document all of the input and feedback during the DSM Potential Study process.

Customer Communication and Outreach

- 26. DESC engaged in numerous marketing and communications activities to promote customer participation in its DSM programs in Program Year 11. Customer communications is a shared initiative between DESC's DSM staff, the Company's internal marketing staff and DESC's third-party program implementers.
- 27. An annual customer marketing and communications plan is developed for residential programs directed at broad customer segments. The DESC website, bill inserts, bill messaging, news releases, contractor outreach, direct mail, e-mail, paid social media and internet radio advertising were the primary means of communication for the residential programs.
- 28. Nonresidential program marketing and communication strategies are developed in conjunction with DESC's third party C&I implementer. The primary communication channels include the DESC website, bill messaging, paid social media, news releases, direct mail, contractor emails and webinars, local chambers of commerce and industry associations. In the case of the Small Business Direct Install

program, door-to-door sales and customer testimonials play a significant role in encouraging program participation.

Evaluation, Measurement, and Verification

- 29. Pursuant to Order No. 2010-472 and Order No. 2013-826, EM&V results are due no later than six months after the end of a program year; this requirement continues under Order No. 2019-880.
- 30. On May 28, 2021, in Docket No. 2019-239-E, DESC filed with the Commission its Program Year 10 EM&V Report. In summary, DESC's DSM programs for Program Year 10 achieved net energy savings of 43,797 megawatt hours ("MWH") and net demand savings of 11.46 megawatts. Attached hereto as Exhibit 2 is a table summarizing the DSM portfolio savings levels for Program Year 10.
- 31. The Program Year 10 EM&V Report serves as the basis for the trued-up amounts reflected in DESC's net lost revenue amounts and shared savings incentive amounts set forth herein.
- 32. DESC anticipates that its EM&V report for Program Year 11 will be completed in May 2022. Information concerning the impact of DSM programs on energy savings and peak demand on DESC's system during Program Year 11 will be included in that EM&V Report.

DSM Costs

33. As of November 30, 2021, DESC's regulatory asset account balance of allowable DSM costs was \$68,705,890. Pursuant to Commission Order No. 2019-880, in Docket No. 2019-239-E, and consistent with ORS's recommendation in that docket

that program costs "be amortized over the life of the program, but for no more than three (3) years," the Company is now tracking its program costs in vintage years. These costs are to be amortized over three years, with such amortization to be applied separately to Residential costs and to C&I costs for each program year. In Exhibit 3, and consistent with the approach outlined in the Rebuttal Testimony of Allen W. Rooks in Docket No. 2019-239-E and adopted by the Commission in Order No. 2019-880, DESC is including amortization costs associated with the Program Year 1 - Program Year 9 vintage of \$26,777,809 (for year 3 of 3), amortization costs associated with the Program Year 10 vintage of \$5,413,432 (for year 2 of 3), and amortization costs associated with the Program Year 11 vintage of \$7,186,006 (for year 1 of 3).

- 34. Through November 30, 2019, DESC, pursuant to Order No. 2015-307, accrued carrying costs on the unrecovered balances using the rate of interest as of the first day of each month during the applicable period for the 10-year U.S. Government Treasury Note, as reported by the *Wall Street Journal*, either in its print edition or on its website, plus an all-in spread of 65 basis points (0.65 percentage points). Effective December 1, 2019, and pursuant to Order No. 2019-880, DESC is accruing carrying costs on the unrecovered balances using the Company's weighted average cost of debt.
- 35. Accordingly, DESC respectfully requests authorization to update the DSM Rider to allow the Company the opportunity to recover \$39,377,247 in DSM costs during the twelve-month period effective for bills rendered on and after the first

billing cycle of May 2022 and ending with the last billing cycle of April 2023 ("Recovery Period").

Net Lost Revenues

- 36. Exhibit 4 shows the calculation of the appropriate amount of net lost revenues to be recovered during the Recovery Period; that amount is \$17,947,625.
- 37. In accordance with Order No. 2010-472, as modified by Order No. 2013-826 and Order No. 2019-880, the Company has trued-up its net lost revenues for Program Year 10 pursuant to the Program Year 10 EM&V Report, and the results of the true-up for this time period are included in the net lost revenues calculation.
- 38. The amount of net lost revenues reported herein reflects (i) the actual energy savings for each DSM program during Program Year 10 (in accordance with Commission Order No. 2010-472, the Company reduced Program Year 10 energy savings by 1 month because the month of December 2019 was included in the Company's recent rate case test year in Docket No. 2020-125-E), and the reduction in demand and MWH sales that were calculated to occur as a result; and (ii) the cumulative forecasted energy savings for each DSM program during the time period December 1, 2020, through November 30, 2022, and the reduction in demand and MWH sales that are calculated to occur as a result.
 - 39. In summary, DESC's net lost revenue amounts include the following:
 - a. The trued-up amounts for Program Year 10, as required by Commission Order No. 2010-472, as affirmed and modified by Order No. 2013-826;

- b. The forecasted amounts for Program Year 11, which will be trued-up in the Company's January 2023 annual DSM filing; and
- c. The forecasted amounts for Program Year 12, which will be trued-up in the Company's January 2024 annual DSM filing.
- 40. Pursuant to Order No. 2013-826, and as affirmed by Order No. 2019-880, net lost revenues are limited to a rolling three (3) years.
- 41. Accordingly, DESC respectfully requests authorization to update the DSM Rider to allow the Company the opportunity to recover net lost revenues in the amount of \$17,947,625 during the Recovery Period.

Net Program Benefits

42. Exhibit 5 shows the actual net program benefits for December 1, 2017, to November 30, 2018 ("Program Year 8"); December 1, 2018, to November 30, 2019 ("Program Year 9"); and Program Year 10. The exhibit also shows the forecasted net program benefits for Program Year 11 and Program Year 12.

Shared Savings Incentive

- 43. As shown on Exhibit 6, the allowable shared savings amortization amount for the Company is \$2,694,521. DESC's shared saving incentive amount includes the following:
 - a. The actual shared savings incentive amortization amount for Program Years 8 through 10, which have been trued-up in accordance with Commission Order No. 2010-472, as affirmed by Order No. 2013-826;
 - b. The forecasted shared savings incentive amortization amount for Program Year 11, which was forecasted in accordance with Commission Order No. 2019-880, and will

- be trued-up in the Company's January 2023 annual DSM filing.
- c. The forecasted shared savings incentive amortization amount for Program Year 12, which was forecasted in accordance with Commission Order No. 2019-880, and will be trued-up in the Company's January 2024 annual DSM filing.
- 44. Through Program Year 9, the shared savings incentive is equal to 6% of the customers' net benefits. In accordance with Order No. 2019-880, the shared savings incentive in Program Year 10 and thereafter is equal to 9.9% of the customers' net benefits as determined by the Total Resource Cost test.
- 45. Pursuant to Order No. 2010-472, as affirmed by Order No. 2013-826 and modified by Order No. 2019-880, the shared savings incentive is to be amortized over five years without interest or carrying costs added to the calculation of the DSM Rider. Accordingly, DESC respectfully requests authorization to update the DSM Rider to allow the Company the opportunity to recover its allowable shared savings amortization amount of \$2,694,521 during the Recovery Period.

DSM Rate Calculation and DSM Rider

46. Exhibit 7 shows that the total amount to be recovered during the Recovery Period under the DSM Rider, if approved, is \$60,019,393. It also reflects the calculation of the billing factors for each customer class based on the appropriate billing units for that customer class. Based on those calculations, the appropriate billing factors applicable to DESC's retail electric customers effective for bills rendered on and after the first billing cycle of May 2022, if approved, would be as follows:

Customer Class	Proposed \$/kWh	Current \$/kWh	Difference \$/kWh		
Residential	\$0.00308	\$0.00221	\$0.00087		
Small General Service	\$0.00621	\$0.00433	\$0.00188		
Medium General	\$0.00324	\$0.00277	\$0.00047		
Service					
Large General Service	\$0.00145	\$0.00127	\$0.00018		

- 47. Based upon the foregoing and if approved, the DSM Rider for a residential customer will increase from \$0.00221 to \$0.00308 per kilowatt-hour. As a result, the Company estimates that the DSM Rider will cause the bill of a residential customer using 1,000 kilowatt-hours per month to increase approximately \$0.87.
- 48. By way of information, the calculations to update the DSM Rider were based on the Commission-approved 2019 DSM Potential Study. Had the Company used forecasted energy savings and net benefits from Program Year 12 of the Rapid Assessment in its calculations to update its DSM Rider, DESC estimates that the bill of a residential customer using 1,000 kilowatt-hours per month would increase by approximately \$1.52.
- 49. Exhibit 8 is the proposed updated DSM Rider to be implemented during the Recovery Period.
- 50. In Docket No. 2020-125-E, the Commission approved a revision to the Availability criteria of the Company's Rate 23 tariff, which removed the definition of an industrial customer from that tariff. As a result of this revision, a disconnect now exists between the revised Rate 23 tariff, which no longer defines industrial customers, and the reference to "Industrial customers as defined in Rate 23" in the

DSM Rider's opt-out provision. To eliminate this disconnect and avoid any customer confusion, the Company has revised the opt-opt provision in Exhibit 8 to specifically include the definition of industrial customers that was previously included in the Rate 23 prior to the revisions approved in Docket No. 2020-125-E. Specifically, those customers classified in the major industrial group of manufacturing with 10-14 or 20-39 as the first two digits of the Standard Industrial Classification or 21 or 31-33 as the first two digits of the six-digit North American Industry Classification System remain eligible for the opt-out. This change is simply a clarification for the benefit of customers and does not alter the application or operation of the opt-out provision in the DSM Rider.

- 51. As a result of the elimination of Rate 21A in Docket No. 2020-125-E, the Company is also revising the DSM Rider to remove the reference to "Rate 21A Experimental Program General Service Time-of-Use Demand" from the "Medium General Service" definition on page 2 of the DSM Rider.
- 52. Exhibit 9 is a redline version of the proposed updated DSM Rider reflecting these clarifying revisions.
- 53. All calculations contained in the attached exhibits are in accordance with the formulas, methodologies, and rate designs approved by the Commission in Order No. 2010-472, as affirmed and modified by Order No. 2013-826 and Order No. 2019-880.

Update on Opt-Out for Large Commercial and Industrial Accounts

- 54. At the close of Program Year 11, 378 large commercial and industrial accounts had opted-out of DESC's DSM programs. Retail electric sales associated with these accounts represent approximately 22% of DESC's retail electric load.
- 55. Pursuant to Order No. 2019-880, the "no opt-out" period, i.e., the period during which a customer must remain in the program after accepting DSM benefits, was reduced from five years to three years.

Tracking Found Revenues

- 56. In Order No. 2019-880, the Commission did not require the Company to include the found revenue adjustment in the DSM Rider approved for the five-year program period (Program Years 10-14). Instead, the Commission ordered the Company "to track found revenue for the purpose of offsetting lost revenue and include a final report on those findings at the conclusion of the next five-year review process with preliminary results to be included in each year's annual oversight review."
- 57. In compliance with Order No. 2019-880, the Company has evaluated found revenue based on the decision tree provided by ORS Witness George Evans in Docket No. 2019-239-E and determined that it did not have any found revenue in Program Year 11. Exhibit 10 is a copy of the Company's application of the Mr. Evans' found revenue decision tree.

DSM Potential Study

- 58. The Company's last DSM Potential Study was completed in 2019, and in Docket No. 2019-239-E, the Commission approved DESC's current portfolio of programs for five (5) years or through Program Year 14.
- 59. In Order No. 2019-880, in Docket No. 2019-239-E, the Commission stated its desire to "see more aggressive efforts in attaining increased efficiency in the future and encourages the Company to maximize cost effective gains in energy efficiency with a 1% goal or more of energy savings." To that end, the Commission ordered that the next DSM Potential Study must "evaluate the technical potential, economic potential, and maximum achievable potential for energy efficiency." The Commission further ordered that the next DSM Potential Study should "evaluate the concept of found revenue based on the data that has accumulated with analysis on whether reducing lost revenue by found revenue (while controlling for found revenue program costs) necessarily results in a utility recovering less than its net income absent its investment in DSM, and whether those results are consistent with the requirements of § 58-37-20."
- 60. In Order No. 2020-832, in Docket No. 2019-226-E, the Commission ordered DESC to "include [in its 2023 IRP] a comprehensive evaluation of the cost effectiveness and achievability of higher levels of savings, including savings levels of 1.25%, 1.5%, 1.75% and 2%." This comprehensive evaluation must consider substantive additions and modifications to the Company's existing DSM portfolio. The Commission further ordered that, in implementing this plan, DESC must work

with stakeholders, particularly the Advisory Group, and provide opportunities for iterative review, input, and feedback on the Company's analysis and subsequent portfolio development. The Commission further directed that DESC include in its 2023 IRP potential incentive options and best practices to achieve the modeled levels of DSM.

- 61. To meet the Commission's requirements for the 2023 IRP, DESC initiated a new DSM Potential Study in 2021 working in collaboration with its Advisory Group. A market characterization study was launched in August 2021 by DESC's third-party evaluator, ODC. The results of the market study will provide inputs to the forecasting and modeling phase of the DSM Potential Study, which will be conducted by consultant ICF. Members of the Advisory Group provided input into the scopes of work for both phases of the study. A representative from ICF will present to the Advisory Group on the scope of work for the forecasting and modeling phase during its February 2, 2022 meeting.
- 62. Consistent with the terms of Commission Order No. 2010-472 in Docket No. 2009-261-E, DESC will treat the costs associated with the DSM Potential Study as a program administrative cost subject to recovery under the DSM Rider in a future proceeding.

Request for Relief

Based upon the foregoing, DESC respectfully requests that the Commission (i) approve the proposed updates to the Company's DSM Rider as described herein and in the attached exhibits (to include the clarifications to the opt-out provision and the

applicable rates) to be effective for bills rendered on and after the first billing cycle of May 2022 and (ii) grant such further, different or other relief as may be warranted, just, reasonable and lawful.

[signature page following]

Respectfully submitted,

K. Chad Burgess, Esquire

Matthew W. Gissendanner, Esquire

Dominion Energy South Carolina, Inc.

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Attorneys for Dominion Energy South Carolina, Inc.

January 31, 2022

Cayce, South Carolina

BEFORE

THE PUBLIC SERVICE COMMISSION

OF

SOUTH CAROLINA

DOCKET NO. 2022- -E

IN RE:

Dominion Energy South Carolina, Inc. Annual Update on Demand Side Management Programs and Petition to Update Rider. *This filing includes a request for a rate increase.*

VERIFICATION

PERSONALLY APPEARED before me, John H. Raftery, Director - Regulation for Dominion Energy South Carolina, Inc., who, being first duly sworn, deposes and says that he has read the foregoing Annual Update on Demand Side Management Programs and Petition to Update Rider and that the matters alleged therein are true within his own knowledge; and that he is fully authorized and has capacity to sign the aforesaid pleading and to verify the contents thereof.

Sworn to before me this 31st day of January, 2022

My Commission Expires: / Notary Public for South Carolin



NOTICE OF FILING

Dominion Energy South Carolina, Inc.'s Annual Update on Demand Side Management Programs and Petition to Update Rider (*Filing Includes a Request for a Rate Increase*)

Why is this Notice Important?*

- The Public Service Commission decides what rates a utility can charge.
- This Notice is for electric customers of Dominion Energy South Carolina, Inc. (the Company) and interested persons.
- Dominion Energy South Carolina, Inc. filed a Petition with the Public Service Commission for authorization to update its "Rider to Retail Rates Demand Side Management Component" (DSM Rider) to provide for the recovery of its costs and net lost revenues associated with its Demand Side Management (DSM) programs along with the Commission-approved shared savings incentive for investing in such programs, effective for bills rendered on and after the first billing cycle of May 2022.

What is Dominion Energy South Carolina, Inc. asking the Public Service Commission to approve?

- Authorization to update the DSM Rider to allow the Company the opportunity to recover \$39,377,247 in DSM costs during the twelve-month period effective for bills rendered on and after the first billing cycle of May 2022 and ending with the last billing cycle of April 2023 (Recovery Period).
- Authorization to update the DSM Rider to allow the Company the opportunity to recover net lost revenues in the amount of \$17,947,625 during the Recovery Period.
- Authorization to update the DSM Rider to allow the Company the opportunity to recover its allowable shared savings amortization amount of \$2,694,521 during the Recovery Period.
- The proposed updates to the Company's DSM Rider as described in the Petition and in the attached exhibits (to include certain clarifications to the opt-out provision and applicable rates) to be effective for bills rendered on and after the first billing cycle of May 2022.

What does Dominion Energy South Carolina, Inc. estimate the impact of this case will be on a residential electric customer using 1,000 kilowatt-hours?

• Dominion Energy estimates the impact for this case will be \$0.87 monthly for a residential electric customer using 1,000 kilowatt-hours.

To read all of the issues involved in this case, please view the full case file at

Who is the Public Service Commission (PSC)?

The PSC watches over businesses that provide necessary services for day-to-day life, such as the electricity provided by Dominion Energy South Carolina, Inc.

What is the Case Number?	Docket No. 2022E
Where can I find this Case on the	
internet?	
Who Filed this Case?	Dominion Energy South Carolina, Inc.
When will the Commission hear the	A public hearing, if scheduled, will be held in Columbia, South Carolina, in the offices of
Company's case?	the Commission for the purpose of receiving testimony and other evidence from all
	interested Parties regarding the Petition. The time and date of any hearing, if scheduled,
	will be furnished to all interested Parties at a later date.
	Where: 101 Executive Center Drive, Hearing Room
	Columbia, South Carolina 29210
	Columbia, South Calolina 25210
	Livestream the Hearing at https://www.scetv.org/psc
	<u> </u>
How can I participate in the	Option 1:
Company's case?	• File Public Comments or Letters of Protest by emailing contact@psc.sc.gov
	-OR-
	Mail Public Comments or Letters of Protest to 101 Executive Center Drive, Suite
	100, Columbia, SC 29210
	Option 2:
1	Ծրատո 2.



File a Petition to Intervene to become an Intervenor. An Intervenor has the right to testify, cross-examine witnesses, and appeal the Commission's final decision.
You may file a Petition to Intervene by:
• Emailing contact@psc.sc.gov no later than Tuesday, March 8, 2022
-OR-
 Mailing a Petition to Intervene to 101 Executive Center Drive, Suite 100,
Columbia, SC 29210 no later than Tuesday, March 8, 2022. Please include your
email address.

^{*}The Case was filed according to S.C. Code Ann. § 58-37-20 and S.C. Code Ann. Regs. 103-819 and 103-823.

Who can I talk to about this Notice?

Dominion Energy South Carolina, Inc.	803-217-8141
Office of Regulatory Staff	803-737-5230 or 1-800-922-1531
Department of Consumer Affairs	803-734-4200 or 1-800-922-1594
Public Service Commission	803-896-5100

If the tariffs in this case contain a request for change of rates, the rates could be changed by the Commission in this case.

Persons seeking further information about the Commission's procedures should contact the Commission at (803) 896-5100 or visit its website at www.psc.sc.gov.

1/31/22



Program Manager Launch Date Year 9 Program Actuals Year 10 Program EM&V Actuals Year 11 Program pre-EM&V Actuals Year 12 Program Forecast Implementation	Home Energy Reports Program offers both a free monthly report and an energy portal. The monthly report provides information to help identify, analyze, and act upon potential energy efficiency measures and behaviors. Reports focus on both EE education and actions the customer can take to improve the energy efficiency of their home. The energy portal provides the customer the option to further engage with the program. The portal includes the following functionality: a home assessment survey; tailored energy tips that can be tracked over time; ability to review the impact the billing ycle, weather and temperature has on usage; ability to view daily usage and cost (smart meter customers) and a bill projection for current month (smart meter). Salem Parrott 4/6/2011 37,335 participants 2,394 MWH, 0.90 MW reductions 34,712 participants 2,225 MWH, 0.83 MW reductions 275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants 52,271 MWH, 19.80 MW reductions	Home Energy Check-up Tier 1 - Free in-home visual energy assessment performed by DESC energy expert includes EE education that focuses on personalized report of customer's home and low cost/no cor recommendations/suggestions on ways to lower energy consumption. May also include installation of kitchen fauce aerator and water heater tank wrap and pipe insulation, as appropriate. Tier 2 - HEC Plus focuses on building envelope installations. A completion of Tier 1, limited incentives may be offered to qualifying homes with higher than average electric usage. Installation of home shell measures may include air sealing, d sealing and insulation, as appropriate. DESC provides incentifor 75% of the project costs. Ginger Greenway Tier 1 - 10/1/2010; Tier 2 - 11/01/2020 3,651 participants 1,349 MWH, 0.21 MW reductions 1,704 participants 667 MWH, 0.31 MW reductions 2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
Program Manager Launch Date Year 9 Program Actuals Year 10 Program EM&V Actuals Year 11 Program pre-EM&V Actuals Year 12 Program Forecast	portal. The monthly report provides information to help identify, analyze, and act upon potential energy efficiency measures and behaviors. Reports focus on both EE education and actions the customer can take to improve the energy efficiency of their home. The energy portal provides the customer the option to further engage with the program. The portal includes the following functionality: a home assessment survey; tailored energy tips that can be tracked over time; ability to review the impact the billing ycle, weather and temperature has on usage; ability to view daily usage and cost (smart meter customers) and a bill projection for current month (smart meter). Salem Parrott 4/6/2011 37,335 participants 2,394 MWH, 0.90 MW reductions 34,712 participants 2,225 MWH, 0.83 MW reductions 275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	DESC energy expert includes EE education that focuses on personalized report of customer's home and low cost/no co recommendations/suggestions on ways to lower energy consumption. May also include installation of kitchen fauce aerator and water heater tank wrap and pipe insulation, as appropriate. Tier 2 - HEC Plus focuses on building envelope installations. A completion of Tier 1, limited incentives may be offered to qualifying homes with higher than average electric usage. Installation of home shell measures may include air sealing, d sealing and insulation, as appropriate. DESC provides incentifor 75% of the project costs. Ginger Greenway Tier 1 - 10/1/2010; Tier 2 - 11/01/2020 3,651 participants 1,349 MWH, 0.21 MW reductions 1,704 participants 667 MWH, 0.10 MW reductions 2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
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Launch Date Year 9 Program Actuals Year 10 Program EM&V Actuals Year 11 Program pre-EM&V Actuals Year 12 Program Forecast	4/6/2011 37,335 participants 2,394 MWH, 0.90 MW reductions 34,712 participants 2,225 MWH, 0.83 MW reductions 275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	Tier 1 - 10/1/2010; Tier 2 - 11/01/2020 3,651 participants 1,349 MWH, 0.21 MW reductions 1,704 participants 667 MWH, 0.10 MW reductions 2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
Year 9 Program Actuals Year 10 Program EM&V Actuals Year 11 Program pre-EM&V Actuals Year 12 Program Forecast Implementation	37,335 participants 2,394 MWH, 0.90 MW reductions 34,712 participants 2,225 MWH, 0.83 MW reductions 275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	3,651 participants 1,349 MWH, 0.21 MW reductions 1,704 participants 667 MWH, 0.10 MW reductions 2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
Actuals Year 10 Program EM&V Actuals Year 11 Program pre-EM&V Actuals Year 12 Program Forecast Implementation	2,394 MWH, 0.90 MW reductions 34,712 participants 2,225 MWH, 0.83 MW reductions 275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	1,349 MWH, 0.21 MW reductions 1,704 participants 667 MWH, 0.10 MW reductions 2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
Year 10 Program EM&V Actuals Year 11 Program pre-EM&V Actuals Year 12 Program Forecast Implementation	34,712 participants 2,225 MWH, 0.83 MW reductions 275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	1,704 participants 667 MWH, 0.10 MW reductions 2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
EM&V Actuals Year 11 Program pre-EM&V Actuals Year 12 Program Forecast Implementation	2,225 MWH, 0.83 MW reductions 275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	667 MWH, 0.10 MW reductions 2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
Year 11 Program pre-EM&V Actuals Year 12 Program Forecast Implementation	275,075 participants 19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	2,060 participants 1,556 MWH, 0.31 MW reductions 3,700 participants
Presentation	19,043 MWH, 7.15 MW reductions 38,648 participants 2,676 MWH, 1.01 MW reductions Rapid Assessment Forecast 346,166 participants	1,556 MWH, 0.31 MW reductions 3,700 participants
Year 12 Program Forecast Implementation	38,648 participants 2,676 MWH, 1.01 MW reductions <u>Rapid Assessment Forecast</u> 346,166 participants	3,700 participants
Program Forecast Implementation	2,676 MWH, 1.01 MW reductions <u>Rapid Assessment Forecast</u> 346,166 participants	
Implementation	Rapid Assessment Forecast 346,166 participants	5,650 MWH, 1.29 MW reductions
•	346,166 participants	Rapid Assessment Forecast
•	· · · ·	no change
•	32,271 WWT, 13:00 WW TCddction3	no change
•	Under the opt-in model prior to PY11, customers were	Tier 1 - Visual in-home energy assessments provided by DES
Арргоасп	solicited via direct-mail and e-mail campaigns for program	staff who are Building Performance Institute (BPI) certified
	participation. Direct Options was the third-party	Building Analysts. Services are offered to single family structu
	implementer.	multi-family units and manufactured housing, regardless o
		homeownership. Virtual options include Facetime, Microso
	Under the new opt-out model beginning in PY11,	Teams and phone. Customer service support provided by DE
	participants were automatically enrolled into the program	Contact Center.
	but allowed to request opt-out of participating. Franklin	
	Energy is the new program implementer. Customer service	Tier 2 - DESC staff determines customer eligibility following a
	support provided by DESC Contact Center.	1 assessment. Installation of home shell measures are comple
	,	by a subcontractor under third-party implementer, Honeywe
		.,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,
V44 B	The HEB consequence is a short of consequence to a delice	The A. The consequence of the control of the contro
Year 11 Program	The HER program launched using an opt-out model in	Tier 1 - The program was only operating at full capacity (in-ho
Activity	October 2021 with implementer Franklin Energy. HER	with installations) approximately five months of the program
	participants were automatically enrolled in the program	year. Virtual Home Energy Check-ups continued as an option
	based on predetermined factors such as historical usage.	replacement for an in-home assessment. Marketing effort
P	Participants received a welcome letter and their first reports	included various outreach tactics including bill inserts and
	during the program launch. The program currently consists	updated web content to promote the virtual offering along v
	of monthly paper reports and an online energy portal.	the in-home service. As a result of ongoing COVID restrictio
	Distinct report templates have been created for the two	the program fell short of meeting the forecast due to the lim
	cohorts: Neighbor Compare and Self Compare.	availability of in-home services.
		Tier 2 - This component officially launched in April 2021 wit
		implementation provided by Honeywell working with their
		, , , , ,
		subcontractor, Attic & Crawlspace Solutions. Referrals are ma
		by DESC from participants in the HEC-Tier 1 assessments. Acti
		was limited due to the ongoing impact of COVID.
	2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 11 2000 11 1 6 6 11 1
Next Steps /	Beginning in PY12, the HER program will transition paper	Overall, in PY12, the major focus for this program will be o
Program	reports to email reports for participants that have an email	improving its cost effectiveness by increasing the number
Modifications	on file. Portal alerts will also be launched for participants	installed measures across both program components.
	that have an email. Alerts will prompt participants to take	Tier 1 - Will continue to enhance and improve the virtual Ho
	action in the portal such as completing the Home	Energy Check-up, offer a hybrid Tier 1 visit (virtual visit follov
	Assessment. The alerts will also notify participants when a	by in-home installations with limited customer contact) and c
	new report is available. HER will focus on enrolling up to	new direct install measures (LED outdoor lighting, smart
	70% eligible participants while encouraging high participant	powerstrips, shower timers) to be included with the existing
		measures offered.
		measures offered.
	engagement that translates into saved energy.	
		Tier 2 - With steady implementation, this program compone
		<u>Tier 2</u> - With steady implementation, this program compone will focus on process improvements to expedite referrals an
		will focus on process improvements to expedite referrals ar
		<u>Tier 2</u> - With steady implementation, this program compone will focus on process improvements to expedite referrals an maintain a high conversion rate.
		will focus on process improvements to expedite referrals an maintain a high conversion rate.
		will focus on process improvements to expedite referrals an

	Residential	
	Neighborhood Energy Efficiency Program (NEEP)	Appliance Recycling
General Overview	Provides income-qualified customers EE education, an in-home energy	Incentives for allowing DESC to collect and recycle less-
	assessment and free, direct installation of low-cost energy saving measures.	efficient, but operable, secondary refrigerators, and/or
	For customers who do not participate in the core program installations, EE	standalone freezers, permanently removing the units from
	kits are distributed. In addition to the core program installations, a subset of	service. Units are recycled in compliance with EPA's
	mobile home customers are receive the direct installation of weatherization	Responsible Appliance Disposal (RAD) specifications using
	measures.	the best environmental practices available beyond what is
		required by federal law.
Program Manager	Gerald Freeman	Josh McMillin
Launch Date	7/30/2013	10/30/2014
Year 9 Program	3,607 participants	3,283 measures
Actuals	3,761 MWH, 0.40 MW reductions	2,083 MWH, 0.25 MW reductions
Year 10 Program	1,883 (740 core, 1,143 kits) participants	3,112 measures
EM&V Actuals	952 MWH, 0.09 MW reductions	1,924 MWH, 0.23 MW reductions
Year 11 Program	6,836 (2,639 core, 4,197 kits) participants	4,184 measures recycled
pre-EM&V Actuals	4,653 MWH, 0.47 MW reductions	4,275 MWH, 0.49 MW reductions
Year 12	4,355 participants	4,253 measures
Program Forecast	4,885 MWH, 0.56 MW reductions	2,828 MWH, 0.34 MW reductions
	Rapid Assessment Forecast	Rapid Assessment Forecast
	8,710 participants	no change
Implementation	10,051 MWH, 1.14 MW reductions Delivered to targeted neighborhoods where at least 50% of households have	DESC's third-party implementer, ARCA, handles inbound
Approach	income levels =/< 200% of the poverty guideline as defined by the U.S. Dept.	customer calls for scheduling, web scheduling, general
Арргоасп	of Health and Human Services. Honeywell implements the program using a	questions, appliance pick-ups, full decommissioning and
	neighborhood sweep approach delivering energy efficiency education, an on-	recycling services. DESC handles processing of rebate check
	site energy survey and the direct installation of energy saving measures.	and marketing functions. All pick-ups are "no contact" and
	Upon completing a neighborhood, EE kits are delivered to customers who	units may be left outdoors for pick-up, where possible.
	did not participate in the core program. Homeowners and renters are	units may be left outdoors for pick-up, where possible.
	eligible along with all housing stocks (SF, MF and mobile homes). A mobile	
	homes subset receives weatherization measures based on the highest	
	average energy users over the most recent 12-month period. Marketing is	
	provided in-house by DESC. Customer service support is provided by the	
	Honeywell Call Center.	
Year 11 Program	Neighborhoods in Columbia, Holly Hill, Vance, Eutawville, Aiken county and	Customers receive a "no contact" pick-up option indoors
Activity	Hampton county participated in the program; however, the program was	or outdoors.
	suspended Dec. 2020 - March 2021 and then suspended again in September	
	2021 due to the COVID-19 pandemic. All in-home installations ceased after	Implemented a strategic marketing plan including a \$100
	September for the remainder of PY11. Prior to the September suspension,	double rebate promotion and a gift card give away. These
	unlimited LEDs (standard and specialty bulbs to replace incandescent bulbs),	promotions were advertised via bill inserts, paid social
	digital wall plate thermometers and shower timers were added to the	media and internet radio. Also recognized the customer
	installed measures.	who recycled the 20,000th unit through the program.
	Energy Efficiency kits (4,197) were distributed in towns/cities in the counties	, , ,
	of Aiken, Richland, Barnwell, Orangeburg, Richland, Colleton, Allendale and	
	Edgefield throughout the year to customers from previous neighborhoods	
	who did not participate in the core program and to all PY11 customers who	
	did not receive the full NEEP services. The kits contained 1 LED 40W	
	equivalent, 3 LED 60 equivalents, 1 LED 100W equivalent, 1 kitchen faucet	
	aerator and the DSM residential programs brochure.	
Next Steps /	Per the DSM High Case Rapid Assessment (and pending the impacts of	Continue to review marketing analysis data and use a
Program	COVID-19), NEEP will seek to double its forecasted participation in PY12. The	variety of channels to reach customers. The "no contact"
Modifications	following additional measures will be added to gain deeper energy savings:	outdoor pick-up option will continue to be offered along
wiouilicatiOffS	Air source heat pumps to replace electric baseboard and/or furnace heating,	with the indoor option using appropriate COVID-19 safety
	ENERGY STAR refrigerator replacements, weatherstripping (doors and	precautions. Also continue to implement seasonal progra
	windows) and door sweeps. The program will continue to include mobile	promotions to increase participation.
	homes participants with the installation of weatherization measures. NEEP	
	will continue to deliver EE kits to neighborhoods once all efforts have been	
	exhausted for them to participate in the core program.	

	Residential						
	Heating & Cooling	EnergyWise Savings Store					
0 10 :		formerly ENERGY STAR® Lighting					
General Overview	Rebates to residential electric customers for the purchase of	Online platform that incentivizes residential customers to					
	new ENERGY STAR® qualified HVAC equipment and heat	purchase and install high-efficiency ENERGY STAR® LED					
	pump water heaters that replaces older inefficient	lighting products, advanced power strips, smart					
	equipment. Additionally, incentives to encourage customers	thermostats, smart products and water conservation					
	to improve the efficiency of existing AC and heat pump	measures.					
	systems through duct improvements.						
Program Manager	Josh McMillin	Salem Parrott					
Launch Date	3/1/2011	2/14/2011					
Year 9 Program	5,446 measures	212,013 lighting products					
Actuals	3,267 MWH, 2.27 MW reductions	via online store & business offices					
V 40 B	6.464	4,977 MWH, 0.46 MW reductions					
Year 10 Program	6,464 measures	110,817 lighting products					
EM&V Actuals	4,058 MWH, 2.76 MW reductions	via online store only					
V 11 D	C CO2	4,984 MWH, 0.80 MW reductions					
Year 11 Program	6,603 measures	135,879 lighting products					
pre-EM&V Actuals	5,764 MWH, 3.9 MW reductions	via online store					
Vc -:: 42	C C40	7,642 MWH, 1.11 MW reductions					
Year 12	6,610 measures	118,980 lighting products					
Program Forecast	6,827 MWH, 3.71 MW reductions	via online store only					
	Rapid Assessment Forecast	6,503 MWH, 0.53 MW reductions					
	no change	Rapid Assessment Forecast					
lumple un entetien	Complete delivered via a natural, of independent contractors	no change					
	Services delivered via a network of independent contractors.	DESC residential electric customers purchase select ENERGY					
Approach	Contractors may receive specialized training from DESC and ICF, when possible. ICF technical training includes Manual J,	STAR® LED lighting products, smart products, advanced					
		power strips and water conservation products at deep					
	Manual D, energy code (IECC), proper duct sealing and duct blaster testing. Customer service support and marketing	discounts through an online store. The online store provides customer education regarding lighting and energy savings.					
		In 2020, the program transitioned to a new implementer,					
	functions handled by DESC.						
		AM Conservation Group, located in South Carolina. AM Conservation Group also provides customer service support					
		for the online store, including the option to place an order					
		by phone.					
Year 11 Program	A \$750 heat pump water heater rebate was added for	Marketed three major campaigns throughout the year: two					
Activity	customers who replace an old electric water heater.	30% off promotions (Spring and Summer) and 50% off					
	Additionally, a \$650 rebate was added for customers who	promotion in the Fall. Increased direct mail during the					
	replace an electric furnace with an Energy Star rated heat	campaigns from 150,000 to 300,000.					
	pump.	Direct mailed 5-bulb lighting kits in the Spring and Summer					
	Quarterly newsletters to HVAC and duct work contractors	to ~2,500 low income customers to promote energy savings					
	were sent via email and included program updates and	Continued with monthly social media campaigns, radio					
	rebate assistance.	campaigns (Pandora and Spotify) and bill insert campaigns					
	rebate assistance.	campaigns (Pandora and Spotify) and bill insert campaigns to increase program awareness and to promote monthly					
	rebate assistance. Residential bill inserts were mailed throughout the year.						
		to increase program awareness and to promote monthly					
	Residential bill inserts were mailed throughout the year.	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on					
	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on					
	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on					
Next Steps /	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns.					
=	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns.					
Next Steps / Program Modifications	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years.	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bil insert campaigns to promote program awareness and					
Program	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational training to improve overall contractor knowledge, engage industry associations to enhance outreach and continue to	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bil insert campaigns to promote program awareness and promotional offers. Spring 40% off campaign and summer					
Program	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational training to improve overall contractor knowledge, engage industry associations to enhance outreach and continue to increase program awareness to customers. Increase	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bil insert campaigns to promote program awareness and promotional offers. Spring 40% off campaign and summer water saving promotion planned. Testing educational blogs					
Program	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational training to improve overall contractor knowledge, engage industry associations to enhance outreach and continue to increase program awareness to customers. Increase engagement with plumbers to promote the HPWH rebate	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bil insert campaigns to promote program awareness and promotional offers. Spring 40% off campaign and summer water saving promotion planned. Testing educational blogs during shorter promotional periods and using social media					
Program	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational training to improve overall contractor knowledge, engage industry associations to enhance outreach and continue to increase program awareness to customers. Increase engagement with plumbers to promote the HPWH rebate and with HVAC contractors who focus on transitioning	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bil insert campaigns to promote program awareness and promotional offers. Spring 40% off campaign and summer water saving promotion planned. Testing educational blogs during shorter promotional periods and using social media to link back to store. In addition, will target low income					
Program	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational training to improve overall contractor knowledge, engage industry associations to enhance outreach and continue to increase program awareness to customers. Increase engagement with plumbers to promote the HPWH rebate and with HVAC contractors who focus on transitioning electric resistance furnaces to heat pumps. Investigate	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bil insert campaigns to promote program awareness and promotional offers. Spring 40% off campaign and summer water saving promotion planned. Testing educational blogs during shorter promotional periods and using social media to link back to store. In addition, will target low income customers for free 5-bulb kit.					
Program	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational training to improve overall contractor knowledge, engage industry associations to enhance outreach and continue to increase program awareness to customers. Increase engagement with plumbers to promote the HPWH rebate and with HVAC contractors who focus on transitioning electric resistance furnaces to heat pumps. Investigate options for direct mail to targeted neighborhoods with older	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bill insert campaigns to promote program awareness and promotional offers. Spring 40% off campaign and summer water saving promotion planned. Testing educational blogs during shorter promotional periods and using social media to link back to store. In addition, will target low income customers for free 5-bulb kit. Monthly manufacturing and Simply Conserve promotions					
Program	Residential bill inserts were mailed throughout the year. Paid social media and internet radio were used to promote the program. Consistent marketing efforts and program modifications have helped to support significant increase in customer participation over past few years. Continue to promote the program and provide educational training to improve overall contractor knowledge, engage industry associations to enhance outreach and continue to increase program awareness to customers. Increase engagement with plumbers to promote the HPWH rebate and with HVAC contractors who focus on transitioning electric resistance furnaces to heat pumps. Investigate	to increase program awareness and to promote monthly manufacturing promotions. Started an educational blog on the online store that is marketed by Facebook campaigns. Continue monthly promotions on social media, radio and bill insert campaigns to promote program awareness and promotional offers. Spring 40% off campaign and summer water saving promotion planned. Testing educational blogs during shorter promotional periods and using social media to link back to store. In addition, will target low income customers for free 5-bulb kit.					

	Residential/Commercial	Commercial and Industrial
	Multifamily	Municipal LED Lighting
General Overview	Provides energy education, an on-site energy survey of the dwelling, and direct installation of select energy-saving measures specific to multifamily customers. In addition, energy efficiency measures will be recommended for common areas to include HVAC upgrades, LED lamps and/or fixtures and water conservation measures which will result in incentives for property owners. DESC pays 75% of the common area upgrades and 100% of the in-unit residential upgrades.	Incentives will allow for a financial neutral option for municipalities (Rate 17 customers) to convert from older, inefficient technology to LED lighting while improving lighting performance, providing remote monitoring, outage communications/control, faster repair response times and better overall customer experience.
Program Manager	Gerald Freeman	Sheryl Shelton / Justin Taylor
Launch Date	11/1/2020	5/1/2020
Year 9 Program	_	_
Actuals		
Year 10 Program	1 Common area 4	
EM&V Actuals	MWH, 0.001 MW reductions	
Year 11 Program	1,524 units/participants, 6 Common Areas	8,142 lighting fixtures
pre-EM&V Actuals	1,556 MWH, 0.22 MW reductions	3,928 MWH, 0.00 MW reductions
Year 12	1,909 units/participants, 510 Common Areas	4,558 lighting fixtures
Program Forecast	3,992 MWH, 0.61 MW reductions	3,876 MWH, 0.00 MW reductions
	Rapid Assessment Forecast	Rapid Assessment Forecast (Hill recommendation)
	no change	8,558 lighting fixtures 7,278 MWH, 0.00 MW reductions
Implementation	Implemented by Honeywell and their sub-contractor for	Outreach and installation to date has been completed by
Approach	HVAC upgrades in common areas. Customer service handled	internal DESC Lighting staff and supported by DESC
PP	by Honeywell and marketing functions handled by DESC.	Governmental Affairs department. Marketing flyer created
		with general program overview and contact information to be used at municipal meetings.
Year 11 Program Activity	Solicited approximately 20 properties in Columbia and Charleston for participation in the program. Because of COVID-19, the residential portion of program implementation was delayed until March 2021 and then suspended once again in September 2021 for the remainder of PY11. Additional measures (HVAC filters and Smart Power Strips) were added. DESC completed 6 multifamily common area projects in PY11.	DESC continued working with municipalities in the service territory to discuss replacing all street lights with high efficiency LED street lights. During PY11, 44 outreach and program presentations were completed with municipalities, 39 contracts were signed and 16 projects were completed.
Next Steps / Program Modifications	Continue to solicit properties for participation in the program by sharing cost and energy savings benefits to property managers/owners. Work toward generating a project pipeline to achieve PY12 forecast.	In PY12, activities will include expanding the program to include 7,000 additional eligible fixtures for upgrade. DESC staff will continue installations and use installation vendors as the program expands across its service territory.

	Commercial and Industrial							
	EnergyWise For Your Business Program	Small Business Energy Solutions Program						
General Overview	Incentives to non-residential customers to become more	Provides cost-effective, comprehensive retrofit services						
	energy efficient. Incentives include retrofit lighting, new	(lighting, refrigeration, HVAC) to small business customers or						
	construction lighting, HVAC unitary, HVAC chillers, HVAC	a turnkey basis. The program identifies cost-effective						
	variable frequency drives, food service and refrigeration	efficiency retrofit opportunities and provides the direct						
	equipment, custom, building tune-up and technical services.	installation of measures, financial incentives and other						
		strategies to encourage replacement of existing equipment						
		with high efficiency alternatives.						
Program Manager	Annika Goodson	Annika Goodson						
Launch Date	10/1/2010	11/24/2014						
Year 9 Program	606 participants,	781 participants,						
Actuals	29,212 MWH, 5.29 MW reductions	7,211 MWH, 2.60 MW reductions						
Year 10 Program	428 projects,	754 projects,						
EM&V Actuals	22,251 MWH, 4.42 MW reductions	6,731 MWH, 2.23 MW reductions						
Year 11 Program	390 projects, 28,455 MWH, 5.85 MW reductions	997 projects, 10.884 MWH, 2.54 MW reductions						
pre-EM&V Actuals	28,455 WWH, 5.85 WW reductions	10,884 MWH, 2.54 MW Teductions						
Year 12	947 projects,	928 projects,						
Program Forecast	54,292 MWH, 12.19 MW reductions	15,546 MWH, 4.47 MW reductions						
	Rapid Assessment Forecast	Rapid Assessment Forecast						
	947 projects,	no change						
Implementation	54,565 MWH, 12.25 MW Third-party implementer, ICF, provides technical assistance	Third-party implementer, ICF, provides technical assistance						
Approach	to customers, trade allies and field services support.	to customers and trade allies and field services support. ICF						
Approach	Customer Service support provided by DESC DSM Staff.	and subcontractors Facility Solutions Group (FSG), National						
	customer service support provided by Bese Bair stain.	Resource Management (NRM) and LED Lowcountry						
		coordinate direct install services with local contractors.						
		Customer Service support provided by DESC DSM Staff.						
		castome. See not support provided 2, 2255 25 stam						
Year 11 Program	The program added three new program components:	The program added HVAC audits and measures including						
Activity	Agricultural Custom Measures, Prescriptive Cool Roof	tune-ups, duct improvements and smart thermostats.						
	Measure and Strategic Energy Management (SEM). Program	Increased outreach to promote program awareness through						
	incentive cap increased to \$100,000 per project type, per	business associations/organizations, chambers of commerce						
	customer tax ID, per program year.	and direct mail campaigns.						
	Outreach tactics in PY11 included contractor and customer	Added an additional lighting subcontractor, LED Lowcountry.						
	engagement through monthly webinar training, e-							
	newsletters, involvement with local trade associations and							
	chambers of commerce, and utilizing analytics to target							
	specific sectors such as municipalities, universities, school							
	systems, and hospitals.							
Next Steps /	Continue PY11 outreach tactics throughout PY12. Additional	Continue to increase program awareness through business						
Program	strategies to increase program awareness and participation	associations/organizations, chambers of commerce and						
Modifications	include limited time offers for additional incentives,	monthly direct mail campaigns.						
	one-on-one engagement with distributors and increased	,						
	collaboration between DESC and ICF Key Account Managers.							
	, , , , , , , , , , , , , , , , , , , ,							

PY10 Portfolio Net Savings, Program Costs and Participation

		Net Savings		Program	Costs	Participation			
Program Name	MWH Actual	% of Forecast	MW Actual	% of Forecast	Actual	% of Forecast	Actual	% of Forecast	Definition
EnergyWise for Your Business	22,250.59	60%	4.42	50%	\$4,321,733	54%	428	48%	Projects
Small Business Energy Solutions	6,731.27	77%	2.23	90%	\$3,052,049	186%	754	111%	Projects
EnergyWise Savings Store	4,983.74	92%	0.80	163%	\$1,104,854	215%	110,817	98%	Products
Heating & Cooling	4,057.63	76%	2.76	80%	\$3,076,380	99%	6,464	116%	Measures
Appliance Recycling	1,924.44	66%	0.23	66%	\$662,221	65%	3,112	71%	Appliances
Home Energy Reports	2,225.39	85%	0.83	84%	\$395,400	85%	34,712	92%	Customers / Households C
Home Energy Check-Up	666.59	13%	0.10	12%	\$947,990	37%	1704	47%	Customers
Neighborhood Energy Efficiency	952.43	19%	0.09	16%	\$386,013	40%	1883	44%	Customers
Multifamily	4.44	0%	0.00	0%	\$100,028	12%	1	0%	Projects 5
Municipal LED Lighting	-	0%	-	0%	\$158,044	5%	0	0%	Measures
Total	43,796.52	56%	11.46	63%	\$14,204,712	64%	159,875	92%	N/A

Dominion Energy South Carolina

Amortization of Program Costs for DSM Rate Calculation

Customer Class	PY1 - PY9 Program Costs Amortization (Year 3)		PY10 Program Costs Amortization (Year 2)		PY11 Program Costs Amortization (Year 1)		Program Costs Amortization for Rate Calculation	
Residential	\$	12,652,550	\$	2,544,185	\$	3,596,508	\$	18,793,243
Small General Service	\$	7,174,219	\$	2,093,689	\$	2,899,597	\$	12,167,505
Medium General Service	\$	3,503,064	\$	450,472	\$	378,333	\$	4,331,869
Large General Service	\$	3,447,976	\$	325,086	\$	311,568	\$	4,084,630
TOTAL	\$	26,777,809	\$	5,413,432	\$	7,186,006	\$	39,377,247

Dominion Energy South Carolina

Projection and True-Up of Net Lost Revenues for DSM Rate Calculation From December 2019 - November 2022

Customer Class	Cumulative Energy Savings (in KWH) 1	Net Lost Revenue Factors (\$ per KWH)	imated Net Lost Revenues for overy in Next Rate Period	Tru	ogram Year Ten ue-Up Amount as etailed Below ²	 t Lost Revenues for Rate Calculation
Residential	78,899,105	\$0.09687	\$ 7,642,956	\$	(1,421,778)	\$ 6,221,178
Small General Service	111,809,412	\$0.08867	\$ 9,914,141	\$	(217,619)	\$ 9,696,522
Medium General Service	27,210,528	\$0.06635	\$ 1,805,419	\$	(427,062)	\$ 1,378,357
Large General Service	24,171,765	\$0.03969	\$ 959,377	\$	(307,809)	\$ 651,568
			\$ 20,321,893	\$	(2,374,268)	\$ 17,947,625

Notes:

² Detailed calculation of the True-Up for Program Year Ten:

	Actual Energy Savings				١	Net Lost Revenue		
	(in KWH) from EM&V	Net Lost Revenue	N	let Lost Revenue		Collected from		
Customer Class	Study	Factors (\$ per KWH)		Incurred		Customers	Ca	alculated True-Up
Residential	14,814,660	\$0.09488	\$	1,405,615	\$	2,827,393	\$	(1,421,778)
Small General Service	21,148,063	\$0.08633	\$	1,825,712	\$	2,043,331	\$	(217,619)
Medium General Service	4,550,152	\$0.06257	\$	284,703	\$	711,765	\$	(427,062)
Large General Service	3,283,645	\$0.03722	\$	122,217	\$	430,026	\$	(307,809)

¹ Cumulative Energy Savings are actual for Program Year Ten (December 2019 - November 2020) per EM&V results, and projected for Program Years Eleven & Twelve (through November 30, 2022). Only 11 months of Program Year Ten Savings are applied, in accordance with Commission Order No. 2010-472.

	PY8 - PY12 Net Benefits									
								PY11		PY12
Residential	P	Actuals PY8		Actuals PY9		PY10 Actuals		Forecasted		Forecasted
Home Energy Reports	\$	(9,488)	\$	37,219	\$	(220,270)	\$	35,901	\$	36,375
Energy Information Displays	\$	-			\$	-	\$	-		
Home Energy Check-Up	\$	(290,857)	\$	(314,977)	\$	(238,911)	\$	(63,547)	\$	(56,024)
Home Performance w ENERGY STAR	\$	-	\$	-	\$	-	\$	-		
ENERGY STAR Lighting	\$	1,621,385	\$	1,615,679	\$	9,323,100	\$	7,054,743	\$	7,333,659
Heating & Cooling Program	\$	2,344,197	\$	2,380,913	\$	517,251	\$	734,619	\$	388,452
ENERGY STAR New Homes	\$	-	\$	-	\$	-	\$	-		
Neighborhood Energy Efficiency Program	\$	88,295	\$	(25,587)	\$	754,250	\$	3,183,799	\$	3,264,736
Appliance Recycling	\$	208,347	\$	181,497	\$	131,711	\$	43,954	\$	44,035
Multifamily	\$	-			\$	342	\$	1,083,777	\$	1,107,693
	\$	3,961,879	\$	3,874,745	\$	10,267,474	\$	12,073,246	\$	12,118,925
								PY11		PY12
Commercial and Industrial	P	ctuals PY8	/	Actuals PY9	F	Y10 Actuals		Forecasted		Forecasted
EnergyWise for Your Business	17,533,372			14,676,854	14,648,644		14,449,270			16,572,990
Small Business Direct Install	2,196,868			3,460,186		804,786		1,848,512		2,304,815
Municipal LED Lighting		-				-	5,626,631			5,063,968
	\$	19,730,240	\$	18,137,041	\$	15,453,429	\$	21,924,413	\$	23,941,772

22,011,786 \$

25,720,904 \$

33,997,658 \$

36,060,697

23,692,119 \$

All DSM Programs

Dominion Energy South Carolina

Projection and True-Up of Shared Savings Incentive for DSM Rate Calculation Through November 2022

Customer Class	Cumulative Shared Savings Amortization for Program Years Eight Through Twelve			Shared Savings Amortization True-Up Amount from Tenth Program Year ¹	Shared Savings Amortization for Rate Calculation			
Residential	\$	776,341	\$	(1,006)	\$	775,335		
Small General Service	\$	1,145,375	\$	171,640	\$	1,317,015		
Medium General Service	\$	299,032	\$	65,068	\$	364,100		
Large General Service	\$	224,129	\$	13,942	\$	238,071		
Totals:	\$	2,444,877	\$	249,644	\$	2,694,521		

Notes:

¹ Detailed Calculation of Program Year Ten (December 2019 - November 2020) True-Up:

				Shared Savings		
	Actua	Shared Savings	Am	ortization Collected	C	Calculated True-Up
	Amortiz	ation (per EM&V	From	Customers - Program	Appli	icable to Program Year
Customer Class		Study)		Year Ten		Ten
Residential	\$	446,996	\$	448,002	\$	(1,006)
Small General Service	\$	759,367	\$	587,727	\$	171,640
Medium General Service	\$	235,277	\$	170,209	\$	65,068
Large General Service	\$	134,089	\$	120,147	\$	13,942

Dominion Energy South Carolina

DSM Rate Calculation (For the Recovery Period of May 2022 - April 2023)

			Customer Class							
Exhibit						Small General	M	edium General	L	arge General
No.	Description	 Total		Residential		Service		Service		Service
3	Amortization of Program Costs	\$ 39,377,247	\$	18,793,243	\$	12,167,505	\$	4,331,869	\$	4,084,630
4	Estimated Net Lost Revenues	\$ 17,947,625	\$	6,221,178	\$	9,696,522	\$	1,378,357	\$	651,568
6	Shared Savings Incentive	\$ 2,694,521	\$	775,335	\$	1,317,015	\$	364,100	\$	238,071
	Total DSM Costs for Recovery	\$ 60,019,393	\$	25,789,756	\$	23,181,042	\$	6,074,326	\$	4,974,269
	Projected Class Sales (in GWH) during the Recovery Period ¹			0.275.4		2 722 0		1 074 4		2 420 5
			ė	8,375.1	ć	3,733.0	ė	0.00324	ć	3,426.5
	Rate per KWH		P	0.00308	Þ	0.00621	Ş	0.00324	Ą	0.00145

Notes:

¹ Projected Class Sales are for the Recovery Period of May 2022 - April 2023 and are adjusted to account for those customers who have opted-out of DESC's DSM programs.

RIDER TO RETAIL RATES

DEMAND SIDE MANAGEMENT COMPONENT

(Page 1 of 2)

APPLICABILITY

Service supplied under the Company's retail electric rate schedules is subject to approved Demand Side Management (DSM) program cost adjustments. The rates shown below are applicable to and a part of the Company's South Carolina retail electric rate schedules and included in the monthly rate provision of the applicable schedule used in billing and shall therefore be added to customer's monthly bill statement:

DSM RATES BY CLASS (\$/kWh)

Customer Class	DSM Factors						
Residential	0.00308						
Small General Service	0.00621						
Medium General Service	0.00324						
Large General Service	0.00145						

DERIVATION OF FACTORS

Demand Side Management costs to be recovered in an amount rounded to the nearest one-thousandth of a cent per kilowatthour will be determined by the following formula:

A = D/S

- **A** = Customer Class Specific DSM Program Costs Rate Adjustment per kilowatt-hour applied to base rates rounded to the nearest one-thousandth of a cent.
- D = DSM revenue requirement for the period calculated as (C + L + R)

Where:

- C = One year of Amortization Expense (based upon the balance of DSM Program Costs at the beginning of the annual review period) plus associated Carrying Costs (calculated using the Company's Weighted Average Cost of Debt)
- L = Net Lost Revenues for each customer class are based on forecasted retail kWh sales reductions attributable to DSM programs. Revenues lost are calculated using the average rate per customer class less the class specific fuel component and variable O&M. The resulting factor is then multiplied by the kWh sales lost for each class of customers. This amount will be "trued-up" for the actual impact on prior year sales. The total amount of net lost revenues is limited to a rolling three (3) year period.
- R = One year of amortization of DSM Program Incentive to be calculated by multiplying the estimated Net Present Value Benefit of each energy efficiency program as determined by the Total Resource Cost Test times 9.9%.
- **S** = Projected customer class specific sales, defined as retail kilowatt-hour sales from each class of customers for the current period, less sales from customers who have been approved for opt-out status.

The appropriate revenue-related tax factor is to be included in these calculations.

"OPT-OUT" PROVISION

- Industrial customers classifed in the major industrial group of manufacturing with 10-14 or 20-39 as the first two digits of the Standard Industrial Classification or 21 or 31-33 as the first two digits of the six digit North American Industry Classification System are eligible to opt-out of DSM programs and costs.
- Non-residential accounts that have both (i) annual consumption of 1,000,000 kilowatt-hours or greater in the billing months of the prior calendar year and (ii) 52-59 as the first two digits of their Standard Industrial Classification or 44-45 as the first two digits of their six digit North American Industry Classification System are also eligible to opt-out of the DSM programs and costs.

RIDER TO RETAIL RATES

DEMAND SIDE MANAGEMENT COMPONENT

(Page 2 of 2)

- 3. If a customer elects to opt out an eligible non-residential account, all other non-residential accounts which are billed to the same customer and located on the same or contiguous properties are also eligible for the opt-out. A customer may not aggregate accounts at separate locations to achieve the eligibility threshold of 1,000,000 kilowatt-hours.
- 4. Customers wishing to opt-out of DSM programs and recovery of DSM costs shall file a writing with the Company on a form provided by the Company representing that they have already implemented or will be implementing alternative DSM programs. Certifications shall be valid until withdrawn. If a Customer should choose to participate in one or more DSM programs for any account prior to or after the issuance of Commission Order No. 2013-826, then such Customer will not be permitted to opt-out of DSM programs and recovery of DSM costs for that account(s) for a period of three (3) years from the date the Customer accepts a DSM rebate from the Company.
- 5. Customers who opt-out but later elect to participate in one of the Company's programs may do so upon application to the Company. If acceptable to the Company, the Customer may participate in the Company's programs for any account(s), but may not apply to opt-out for that account(s) again for a period of three (3) years from the date the Customer accepts a DSM rebate from the Company.

Since DSM charges are included and a part of retail rates, customers qualifying for the opt-out provision shall receive the following DSM Credit on their monthly bill statement:

DSM Credit = Billed kWh times the applicable DSM Rate*

* The DSM Rate shall be as shown in the above table for the schedule applicable to Customer's monthly bill.

DEFINITIONS

- 1. Annual Review Period The period of time between December 1 and November 30.
- Amortization Period The period of time which the Company's DSM measures, program costs and incentive are deferred and amortized.
- Customer Class The Company's classification of customers based on similar energy usage characteristics. These
 are defined as follows:

Residential:

Rate 1 – Good Cents Rate, Rate 2 – Low Use Residential Service, Rate 5 - Residential Service Time-of-Use, Rate 6 – Energy Saver / Conservation Rate, Rate 7 – Residential Service Time-Of-Use Demand, Rate 8 – Residential Service

Small General Service:

Rate 3 – Municipal Power Service, Rate 9 – General Service, Rate 10 – Small Construction Service, Rate 11 – Irrigation Service, Rate 12 – Church Service, Rate 13 – Municipal Lighting Service, Rate 14 – Farm Service, Rate 16 – General Service Time-Of-Use, Rate 22 – School Service, Rate 28 (Experimental) – Small General Service Time-Of-Use Demand

Medium General Service:

Rate 15 - Supplementary and Standby Service, Rate 20 - Medium General Service, Rate 21 - General Service Time-Of-Use Demand

Large General Service:

Rate 23 – Industrial Power Service, Rate 24 – Large General Service Time-Of-Use, Rate 27 - Large Power Service Real Time Pricing (Experimental)

SALES AND FRANCHISE TAX

To the above will be added any applicable sales tax, franchise fee or business license tax which may be assessed by any state or local governmental body.

PAYMENT TERMS

All bills are net and payable when rendered.

TERM OF CONTRACT

The contract terms will be the same as those incorporated in the rate tariff under which customer receives electric service.

GENERAL TERMS AND CONDITIONS

The Company's General Terms and Conditions are incorporated by reference and form a part of this rider.

RIDER TO RETAIL RATES

DEMAND SIDE MANAGEMENT COMPONENT

(Page 1 of 2)

APPLICABILITY

Service supplied under the Company's retail electric rate schedules is subject to approved Demand Side Management (DSM) program cost adjustments. The rates shown below are applicable to and a part of the Company's South Carolina retail electric rate schedules and included in the monthly rate provision of the applicable schedule used in billing and shall therefore be added to customer's monthly bill statement:

DSM RATES BY CLASS (\$/kWh)

Customer Class	DSM Factors
Residential	0.00308
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Where:

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- L = Net Lost Revenues for each customer class are based on forecasted retail kWh sales reductions attributable to DSM programs. Revenues lost are calculated using the average rate per customer class less the class specific fuel component and variable O&M. The resulting factor is then multiplied by the kWh sales lost for each class of customers. This amount will be "trued-up" for the actual impact on prior year sales. The total amount of net lost revenues is limited to a rolling three (3) year period.
- R = One year of amortization of DSM Program Incentive to be calculated by multiplying the estimated Net Present Value Benefit of each energy efficiency program as determined by the Total Resource Cost Test times 9.9%.
- **S** = Projected customer class specific sales, defined as retail kilowatt-hour sales from each class of customers for the current period, less sales from customers who have been approved for opt-out status.

The appropriate revenue-related tax factor is to be included in these calculations.

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- Industrial customers classifed in the major industrial group of manufacturing with 10-14 or 20-39 as the first two digits of the Standard Industrial Classification or 21 or 31-33 as the first two digits of the six digit North American Industry Classification System as defined in Rate 23 are eligible to opt-out of DSM programs and costs.
- 2. Non-residential accounts that have both (i) annual consumption of 1,000,000 kilowatt-hours or greater in the billing months of the prior calendar year and (ii) 52-59 as the first two digits of their Standard Industrial Classification or 44-45 as the first two digits of their six digit North American Industry Classification System are also eligible to opt-out of the DSM programs and costs.

DOMINION ENERGY SOUTH CAROLINA, INC.

ELECTRICITY

RIDER TO RETAIL RATES

DEMAND SIDE MANAGEMENT COMPONENT

(Page 2 of 2)

- 3. If a customer elects to opt out an eligible non-residential account, all other non-residential accounts which are billed to the same customer and located on the same or contiguous properties are also eligible for the opt-out. A customer may not aggregate accounts at separate locations to achieve the eligibility threshold of 1,000,000 kilowatt-hours.
- 4. Customers wishing to opt-out of DSM programs and recovery of DSM costs shall file a writing with the Company on a form provided by the Company representing that they have already implemented or will be implementing alternative DSM programs. Certifications shall be valid until withdrawn. If a Customer should choose to participate in one or more DSM programs for any account prior to or after the issuance of Commission Order No. 2013-826, then such Customer will not be permitted to opt-out of DSM programs and recovery of DSM costs for that account(s) for a period of three (3) years from the date the Customer accepts a DSM rebate from the Company.
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Medium General Service:

Rate 15 - Supplementary and Standby Service, Rate 20 - Medium General Service, Rate 21 - General Service Time-Of-Use Demand, Rate 21A - Experimental Program - General Service Time-Of-Use Demand

Large General Service:

Rate 23 – Industrial Power Service, Rate 24 – Large General Service Time-Of-Use, Rate 27 - Large Power Service Real Time Pricing (Experimental)

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To the above will be added any applicable sales tax, franchise fee or business license tax which may be assessed by any state or local governmental body.

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The contract terms will be the same as those incorporated in the rate tariff under which customer receives electric service.

GENERAL TERMS AND CONDITIONS

The Company's General Terms and Conditions are incorporated by reference and form a part of this rider.

Dominion Energy South Carolina (DESC) Application of ORS-provided Net Found Revenue Decision Tree

The Company evaluated its operations for activities directly or indirectly that would result in an increase in existing customers' demand or energy consumption within the company service territory. Three main areas considered during the review included economic development, electric vehicles, and lighting. No such activities were determined to produce found revenues during the program year. Although DESC offers an Economic Development Rider (EDR) as a potential source of increased sales and demand, this EDR was approved by the Commission in Order No. 2019-375 and provides incentives for customers to locate or expand their operations within the Company's service territory.

With respect to the implementation of the EDR, DESC has determined that three contracts have been executed for new customers under the EDR that located operations in its service territory and one contract for an existing customer were executed during the program year. When applying the decision tree found below, all increases in customer demand and energy consumption resulting from a Commission-approved economic development rate, as listed in Box 4, shall be excluded for the purposes of determining found revenues.

Accordingly, and in compliance with Commission Order No. 2019-880, the Company has not identified any found revenues to report with this filing.

Below is a copy of the Net Found Revenue Decision Tree.

Net Found Revenues Decision Tree¹

